

INPUT SET: S604.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Scott, Matthew P.
6 Goodrich, Lisa V.
7 Johnson, Ronald L.
8
9 (ii) TITLE OF INVENTION: Mammalian Patched Gene and Its Use
10
11 (iii) NUMBER OF SEQUENCES: 20
12
13 (iv) CORRESPONDENCE ADDRESS:
14 (A) ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
15 (B) STREET: 4 Embarcadero Center, Suite 3400
16 (C) CITY: San Francisco
17 (D) STATE: California
18 (E) COUNTRY: USA
19 (F) ZIP: 94111-4187
20
21 (v) COMPUTER READABLE FORM:
22 (A) MEDIUM TYPE: Floppy disk
23 (B) COMPUTER: IBM PC compatible
24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
26
27 (vi) CURRENT APPLICATION DATA:
28 (A) APPLICATION NUMBER:
29 (B) FILING DATE:
30 (C) CLASSIFICATION:
31
32 (viii) ATTORNEY/AGENT INFORMATION:
33 (A) NAME: Rowland, Bertram I
34 (B) REGISTRATION NUMBER: 20,015
35 (C) REFERENCE/DOCKET NUMBER: A60190/BIR STAN171
36
37 (ix) TELECOMMUNICATION INFORMATION:
38 (A) TELEPHONE: (415) 781-1989
39 (B) TELEFAX: (415) 398-3249
40 (C) TELEX: 910277299
41
42
43 (2) INFORMATION FOR SEQ ID NO:1:
44
45 (i) SEQUENCE CHARACTERISTICS:
46 (A) LENGTH: 680 base pairs

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47 (B) TYPE: nucleic acid
48 (C) STRANDEDNESS: single
49 (D) TOPOLOGY: linear

50
51 (ii) MOLECULE TYPE: cDNA
52
53

54
55 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
56

57 AACCTATGGC ACCCCCCCCC ACCTTCCTA ACAAAACCCC TTTATACCCC CTTAAATTTT 60
58
59 CCACCCAAAC CCTGAACAGA AACCTTTTA ACCCCCCCCC CCCGGAATT CATCCCCCCC 120
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61 AAATTACAAC TCCAGCCAAA ATTAAAATTG GTCCTAACCT AACCATGTT TTACGGTTTC 180
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63 CCCCCCCAAA TACATGCACT GGCCCGAACCA CTTGATCGTT GCCGTTCCAA TAAGAATAAA 240
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65 TCTGGTCATA TTAAACAAGC CAAAGCTTTA CAAACTGTTG TACAATTAAT GGGCGAACAC 300
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67 GAACTGTTCG AATTCTGGTC TGGACATTAC AAAGTGCACC ACATCGGATG GAACCAGGAG 360
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69 AAGGCCACAA CCGTACTGAA CGCCTGGCAG AAGAAGTTCG CACAGGTTGG TGTTGGCGC 420
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71 AAGGAGTAGA GTGAATGGTG GTAATTTTG GTTGTTCAG GAGGTGGATC GTCTGACGAA 480
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73 GAGCAAGAAG TCGTCGAATT ACATCTTCGT GACGTTCTCC ACCGCAATT TGAACAAGAT 540
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75 GTTGAAGGAG GCGTCGAAAC GGACGTGGTG AAGCTGGGG TGTTGCTGGG GGTGGCGCG 600
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77 GTGTACGGGT GGGTGGCCCA GTCGGGGCTG GCTGCCTTGG GAGTGCTGGT CTTGCGGCTC 660
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79 ATTGCCCTA TAGTAGCGTA 680
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81 (2) INFORMATION FOR SEQ ID NO:2:
82

83 (i) SEQUENCE CHARACTERISTICS:
84 (A) LENGTH: 107 amino acids
85 (B) TYPE: amino acid
86 (C) STRANDEDNESS: single
87 (D) TOPOLOGY: linear

88
89 (ii) MOLECULE TYPE: protein
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91

92
93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
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95 Xaa Pro Pro Pro Asn Tyr Asn Ser Xaa Pro Lys Xaa Xaa Xaa Leu Val
96 1 5 10 15
97
98 Leu Thr Pro Xaa Val Val Thr Val Ser Pro Pro Lys Tyr Met His Trp
99 20 25 30

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/319,745DATE: 10/24/94
TIME: 10:57:07

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101 Pro Glu His Leu Ile Val Ala Val Pro Ile Arg Ile Asn Leu Val Ile
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103
104 Leu Asn Lys Pro Lys Ala Leu Gln Thr Val Val Gln Leu Met Gly Glu
105 50 55 60
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107 His Glu Leu Phe Glu Phe Trp Ser Gly His Tyr Lys Val His His Ile
108 65 70 75 80
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110 Gly Trp Asn Gln Glu Lys Ala Thr Thr Val Leu Asn Ala Trp Gln Lys
111 85 90 95
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113 Lys Phe Ala Gln Val Gly Gly Trp Arg Lys Glu
114 100 105
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116 (2) INFORMATION FOR SEQ ID NO:3:
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118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 4448 base pairs
120 (B) TYPE: nucleic acid
121 (C) STRANDEDNESS: single
122 (D) TOPOLOGY: linear
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124 (ii) MOLECULE TYPE: cDNA
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128 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
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130 GGCCAGTGTC GACACGCTGT TAAGGTGTTA CGAAACTATC GAAACTCTGT ACCGTTCCGT 60
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142 GTAACATCGA AGGAGGAAGA ACCTCTCTGT GGATACGAGC GTGGCTACAA GAACAGCTCT 420
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144 TTATTTGGG CTGCTTTCTT CAAGGCGACG CGGGGAAAGT CCTCTTCGTT GCCATCCTCG 480
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146 TTCTGTCGAC GTTCTGCGTC GGTCTCAAGT CAGCACAAAT ACATACAAGG GTCGACCAAC 540
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148 TCTGGGTTCA AGAGGGTGGT AGATTAGAAG CCGAGTTGAA ATATACAGCG CAAGCTTGG 600
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150 GCGAGGGCGGA CTCCTCGACG CACCAGCTTG TCATACAAAC TGCCAAAGAT CCAGACGTCT 660
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152 CCCTGCTACA TCCAGGCGCG TTGCTTGAAC ACCTTAAGGT GGTGCACGCA GCGACTCGGG 720

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153 TGACAGTTCA CATGTACGAC ATTGAGTGGC GCCTCAAAGA CCTGTGCTAC AGCCCCAGCA 780
154 TACCGGACTT CGAGGGTTAC CACCACATCG AGTCAATCAT AGACAACGTC ATCCCCTGCG 840
155 156 CTATTATCAC CCCCCCTGAT TGCTTCTGGG AAGGCTCCAA GTTGCTTGGT CCCGATTATC 900
157 158 CTATATACGT ACCACATCTT AAACACAAAC TACAATGGAC ACATTTAAAT CCATTGGAAG 960
159 160 TTGTAGAAGA AGTGAAAAAA TTAAAGTTCC AATTTCTCT GAGCACAATA GAGGCGTACA 1020
161 162 TGAAGAGAGC CGGCATCACT TCCGCCTACA TGAAAAAGCC GTGCTTAGAC CCCACCGACC 1080
163 164 CACATTGTCC AGCCACGGCT CCAAACAAAA AGTCTGGTCA TATTCCAGAT GTAGCGGCGG 1140
165 166 AGCTGTCGCA CGGATGTTAT GGTTTCGCGG CAGCTTACAT GCACTGGCCG GAACAGTTAA 1200
167 168 TTGTAGGGGG AGCTACAAGG AATTGACAT CAGCTCTGAG AAAAGCACGC GTTTACAGAC 1260
169 170 TGTAGTACAG TTAATGGCG AGAGAGAAAT GTACGAGTAC TGGGCCGATC ATTATAAAGT 1320
171 172 ACATCAAATT GGCTGGAATC AAGAGAAGGC AGCTGCTGTA CTGGATGCCT GGCAGAGAAA 1380
173 174 GTTTGCCGCT GAAGTCAGAA AAATTACTAC CTCAGGATCA GTATCATCGG CTTATAGTTT 1440
175 176 CTATCCGTTC TCCACCTCGA CACTTAATGA CATACTCGGG AAGTTCTCCG AAGTGTCACT 1500
177 178 GAAGAACATT ATATTAGGCT ATATGTTAT GTTAATTAT GTTGCCGTTA CTTTAATACA 1560
179 180 ATGGCGGGAT CCGATTGCT CGCAAGCGGG TGTGGGTATC GCCGGAGTTC TACTACTATC 1620
181 182 AATCACTGTT GCCGCTGGCT TAGGATTTG TGCTTTATTA GGCATACCAT TCAACGCTTC 1680
183 184 AAGTACGCAA ATAGTACCAT TCCTAGCGCT CGGGTTAGGA GTCAAGATA TGTTCTTCT 1740
185 186 CACTCACACG TATGTGGAGC AAGCGGGAGA TGTGCCTAGA GAAGAGAGGA CTGGACTTGT 1800
187 188 ATTGAAAAAG AGCGGTTAA GCGTACTTCT GGCGTCTTG TGCAACGTGA TGGCATTTTT 1860
189 190 GGCAGCAGCC CTTCTACCTA TTCCAGCTT CAGAGTATTT TGCCTACAGG CTGCCATACT 1920
191 192 TCTTCTGTTT AACTGGGGT CAATATTACT GGTTTTCT GCTATGATCT CGTTAGACCT 1980
193 194 GCGACGGAGG TCAGCCGCGA GGGCCGATCT TTTATGCTGT TTGATGCCGT AGAGTCCATT 2040
195 196 ACCGAAGAAG AAAATTCCGG AAAGAGCAA AACTAGAAAA AACGATAAGA CTCATAGGAT 2100
197 198 AGACACCACG AGACAACCTC TAGACCCAGA TGTGTCCGAG AACGTGACCA AAACCTGCTG 2160
199 200 CTTAACCGTC TCGCTCACCA AGTGGGCCAA GAACCAATAC GCGCCGTTCA TCATGCGCCC 2220
201 202 203 204 CGCTGTTAAG GTTACATCCA TGTTAGCGTT GATTGCTGTT ATTCTGACTA GCGTTGGGG 2280
205

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PATENT APPLICATION US/08/319,745DATE: 10/24/94
TIME: 10:57:17

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206	AGCGACAAAA GTAAAGGATG GATTGGATTT GACTGATATT GTACCGGAGA ATACAGACGA	2340
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214	TTTATTCCGC GACTGGTTAT TGGACTTGCA AGTGGCTTTT GATAAGGAGG TTGCCAGCGG	2580
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216	TTGTATAACA CAAGAGTATT GGTGCAAAAA CGCGAGTGAC GAAGGAATAT TGGCCTATAA	2640
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218	ACTTATGGTG CAGACTGGCC ATGTGGACAA TCCAATCGAT AAGTCTCTGA TTACGGCAGG	2700
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224	GCCCCAAAGA TGGATCCATT CTCCGGAGGA TGTACATTAA GAAATAAAGA AATCGTCGCC	2880
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226	ATTAATTTAC ACACAGTTAC CATTCTACCT TTCCGGTCTC AGCGACACTA TAGCATCAAA	2940
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232	CTACTGGCTT TGGCGTGTGC TTTGGCAGCT GTCTTCATTG CGGTTATGGT GCTATTGTTG	3120
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234	AACGCCTGGG CAGCAGTACT GGTGACATTA GCGCTGGCTA CATTAGTACT GCAGCTGTTA	3180
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236	GGTGTATGGC CTTATTGGGC GTGAAGCTAT CTGCAATGCC GGCGTACTA CTGGTGCTAG	3240
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238	CCATTGGGAG AGGAGTTCAC TTCACTGTGC ATTTATGTTT GGGTTTTGTA ACATCAATCG	3300
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240	GTTGCAAGCG GCGCCGCGCG TCACTAGCTC TAGAATCAGT TCTGGCGCCA GTGGTGACAG	3360
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242	GCGCTCTGGC GGCGCGCTG GCTGCCTCGA TGCTAGCTGC AAGTGAATGT GGCTTCGTTG	3420
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244	CCAGACTGTT CTTGAGGTTA CTACTGGACA TCGTGTTCCT GGGACTCATC GATGGGTTGC	3480
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246	TGTTCTTCCC TATTGTCCTT TCGATATTGG GACCGGCTGC TGAGGTACGA CCTATAGAGC	3540
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248	ATCCAGAACG CTTATCGACT CCATGCCAA AATGTTCGCC CATCCACCCCT CGCAAATCAA	3600
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252	GCGCACCATC TCTCACGACC ATTACTGAAG AGCCTTCGAG TTGGCACAGT TCCGCCACT	3720
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254	CCGTACAATC TTCTATGCAG TCGATAGTGG TCCAGCCGGA GGTGGTGGTC GAAACTACCA	3780
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256	CGTATAATGG CAGCGATTCT GCTTCAGGAC GGTCGACGCC TACAAAGTCT TCACACGGTG	3840
257		
258	GTGCTATCAC AACTACTAAG GTGACCGCCA CGGCAAATAT AAAGGTAGAA GTGGTGACAC	3900

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/08/319,745**

DATE: 10/24/94
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Original Text